ABSTRACT

Methods and systems for providing scaleable flow based application control in private and public Internet. A flow table can be used to control the application and subscriber traffic for communication flows in access networks. The flow table entry can provide granular, unidirectional packet transmission of data for all or a subset of all host and application communications originating from or destined to network hosts in the access network. Using a flow table entry for multiple unidirectional packet transmissions of data provides efficient use of flow table entries and allows varying operator control of application communication exchanges between network hosts and applications. By using variable masking techniques, the flow table can be used for varying degrees of control over the packet transmissions in the network.